	Application No.	Applicant(s)
Notice of Allowability	09/920,422	BORN ET AL.
	Examin r	Art Unit
	Qamrun Nahar	2124

-- Th MAILING DATE of this communication appears on the cov r sh t with th correspond nce address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed on 9/4/04*.

2. ☒ The allowed claim(s) is/are *1-3 and 5-7*.

3. ☒ The drawings filed on *31 August 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
    Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachm nt(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

1.   This action is in response to the amendment filed on 9/4/04.

2.   The objections to the specification are withdrawn in view of applicant's amendment and remarks/arguments.

3.   The objections to claims 3-5, 7 and 8 are withdrawn in view of applicant's amendment and remarks/arguments.

4.   The rejection under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention to claims 3 and 7 is withdrawn in view of applicant's amendment and remarks/arguments.

5.   The rejection under 35 U.S.C. 103(a) as being unpatentable over Bapat (U.S. 5,291,583) in view of Laitinen (U.S. 5,862,383) to claims 1-8 is withdrawn in view of applicant's amendment and remarks/arguments.

6.   Claims 4 and 8 have been cancelled.

7.   Claims 1, 3, 5 and 7 have been amended.

8.   Claims 1-3 and 5-7 are pending.

9.   Claims 1-3 and 5-7 are allowed.

EXAMINER'S AMENDMENT

10.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Werner Ulrich (Reg. No. 30,810) on January 14, 2005.

The application has been amended as follows:

In the Claims:

1 (Currently Amended).   A method of generating compiled code for producing messages in

conformance with an ASN (Abstract Syntax Notation) Standard, comprising the steps of:

using a syntax analysis process, compiling an ASN input file describing [[the]] rules of

said ASN Standard into an ASN Data Repository comprising a data structure of said ASN input

file;

generating a file of general script lexemes using a lexical analysis of a general script

source containing [[the]] rules for creating information in said ASN Data Repository; [[and]]

using a syntax analyzer, analyzing said general script lexemes to create a file of general

script precompiled functions; [[and]]

using a general script Executor to act upon entries in said ASN Data Repository with said

general script precompiled functions to produce [[said]] an output file; and

using an Application Programmer input file describing requirements for messages for a

particular application, and said output file as inputs to a CASE tool to generate outputs for use by

a ~~Compiler~~ compiler for a particular processor.

2 (Currently Amended).   The method of Claim 1, further comprising the step of:

compiling code for said particular processor using said output of said CASE tool in said

~~Compiler~~ compiler for said particular processor.

5 (Currently Amended).   Apparatus for compiling code for producing messages in

conformance with an ASN (Abstract Syntax Notation) Standard, comprising:

a data processing system, operative under program control for executing the following

steps:

using a syntax analysis process, compiling an ASN input file, describing [[the]] rules of

said ASN Standard into an ASN Data Repository comprising a data structure of said ASN input

file;

generating a file of general script lexemes using a lexical analysis of a general script

source containing [[the]] rules for creating information in said ASN [[data]] Data Repository;

[[and]]

using a syntax analyzer, analyzing said general script lexemes to create a file of general

script precompiled functions; [[and]]

using a general script Executor to act upon entries in said ASN Data Repository with said

general script precompiled functions to produce [[said]] an output file; and

using an Application Programmer input file describing requirements for messages for a

particular application, and said output file as inputs to a CASE tool to generate outputs for use by

a ~~Compiler~~ compiler for a particular processor.

6 (Currently Amended).   The apparatus of Claim 5, wherein said data processing system is

further operative under program control to execute the step of:

compiling code for said particular processor using said output of said CASE tool in said

~~Compiler~~ compiler for said particular processor.

7 (Currently Amended).   The apparatus of Claim 5, wherein said data processing system is

further operative under program control for executing the [[steps]] step of compiling said ASN

input file into said ASN Data Repository by executing the steps of:

generating said ASN input file through a lexical analysis of ASN source statements to

generate a file of ASN lexemes; and

using a syntax analyzer to compile said ASN lexemes into said ASN Data Repository.

- END -

REASONS FOR ALLOWANCE

11.   The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the

other claimed limitations, using a syntax analyzer, analyzing said general script lexemes to create

a file of general script precompiled functions; using a general script Executor to act upon entries

in said ASN Data Repository with said general script precompiled functions to produce an output

file; and using an Application Programmer input file describing requirements for messages for a

particular application, and said output file as inputs to a CASE tool to generate outputs for use by a compiler for a particular processor as recited in independent claims 1 and 5.

The closest cited prior arts, Bapat (U.S. 5,291,583) and Laitinen (U.S. 5,862,383) teach a method of generating compiled code for producing messages in conformance with an ASN (Abstract Syntax Notation) Standard. However, Bapat (U.S. 5,291,583) and Laitinen (U.S. 5,862,383) fail to teach or fairly suggest using a syntax analyzer, analyzing said general script lexemes to create a file of general script precompiled functions; using a general script Executor to act upon entries in said ASN Data Repository with said general script precompiled functions to produce an output file; and using an Application Programmer input file describing requirements for messages for a particular application, and said output file as inputs to a CASE tool to generate outputs for use by a compiler for a particular processor as recited in independent claims 1 and 5; and as pointed out by the applicant's remarks/arguments on pg. 7, par. 2 to pg. 8, par. 4.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

12.   Any inquiry concerning this communication from the examiner should be directed to Qamrun Nahar whose telephone number is (571) 272-3730. The examiner can normally be
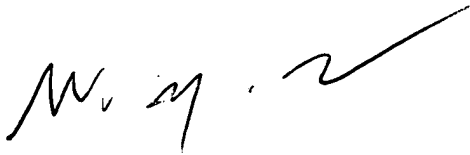
reached on Mondays through Thursdays from 8:30 AM to 6:00 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (571) 272-3719. The fax phone number for the organization where this application or processing is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Qamrun Nahar
January 14, 2005

WEI Y. ZHEN
PRIMARY EXAMINER